

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561, 293
Source: IFWP
Date Processed by STIC: 01/03/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/03/2006

PATENT APPLICATION: US/10/561,793

TIME: 11:09:30

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01032006\J561793.raw

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3 <110> APPLICANT: Bayer BioScience N.V.
4     The Regents of the University of California
5     Yanofsky, Martin
6     Vancanneyt, Guy
7     Kempin, Sherry
9 <120> TITLE OF INVENTION: Method and means for delaying seed shattering in
Brassicaceae
11 <130> FILE REFERENCE: BCS 03-2003
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/561,793
C--> 13 <141> CURRENT FILING DATE: 2005-12-21
13 <150> PRIOR APPLICATION NUMBER: EP 03076952.5
14 <151> PRIOR FILING DATE: 2003-06-23
16 <160> NUMBER OF SEQ ID NOS: 11
18 <170> SOFTWARE: PatentIn version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 597
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: nucleotide sequence of the INDEHISCENT gene of A. thaliana
(AT-IN
27     D
29 <400> SEQUENCE: 1
30 atggaaaatg gtatgtataa aaagaaagga gtgtgcgact cttgtgtctc gtccaaaagc      60
32 agatccaacc acagcccaaa aagaagcatg atggagcctc agcctcacca tctcctcatg      120
34 gattggaaca aagctaataa tcttctcaca caagaacacg cagcttttct caatgatcct      180
36 caccatctca tgtagatcc acctcccga accctaattc acttggaaga agacgaagag      240
38 tacgatgaag acatggatgc gatgaaggag atgcagtaca tgatcgccgt catgcagccc      300
40 gtagacatcg accctgccac ggtccctaag ccgaaccgcc gtaacgtaag gataagcgac      360
42 gatcctcaga cggtggttgc tcgtcggcgt cgggaaagga tcagcgagaa gatccgaatt      420
44 ctcaagagga tcgtgcctgg tggcggaag atggacacag cttccatgct cgacgaagcc      480
46 atacgttaca ccaagttctt gaaacggcag gtgaggattc ttcagcctca ctctcagatt      540
48 ggagctccta tggctaacct ctcttacctt tggtattacc acaactccca accctga      597
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 643
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Nucleotide sequence of a INDEHISCENT homologue from Brassica
napu
58     s (BN1-IND
60 <400> SEQUENCE: 2
61 gaattcgccc ttcgcatgta taaaaagaag ggtctatgcg tctctagtcc aaaaactcta      60
63 tatgtctggg tcaaaagcag atgcagcagc catagcccca atagtcatga tggagcctca      120

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65 tcatctcctt atgaactgga acaaacctat tgatctcatt acacaagaaa actcttttaa 180
67 ccacaatcct catttcatgg tagatccacc ttccgaaacc ctaagccact tccagcccc 240
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69 gccgacagtc ttctccgata ccggaggagg agaggaagca gaagacgaag aaggagagga 300
71 agagatagat gagatgaagg agatgcaata cgcgattgct gccatgcagc ccgtagacat 360
73 cgatccagcc accgttccta agccgaaccg ccgtaacgta agggtaagcg aggacccccca 420
75 gacggtggtg gctcgtcggc gtagagaaa gataagcgag aagatccgga tattgaagag 480
77 gatggtgcc a ggcggtgcaa agatggacac tgcctccatg cttgacgaag ccatccgcta 540
79 caccaagttc ttgaaacggc aggtgaggct tcttcagcct cacactcagc ttggggctcc 600
81 tatgtctgac ccttctcgcc tttgttatta ccacaactct caa 643

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84 <210> SEQ ID NO: 3

85 <211> LENGTH: 660

86 <212> TYPE: DNA

87 <213> ORGANISM: Artificial

89 <220> FEATURE:

90 <223> OTHER INFORMATION: nucleotide sequence of a second INDEHISCENT homologue from Brassi

91 ca napus (BN2-IND

93 <400> SEQUENCE: 3

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94 gaattcgccc ttggcatgta caagaagaaa ggtctatgct tctctagtc aaaaactcta 60
96 tatatgtctg gctcaaaagc agatgcagcc atagcccaaa tagtcatgat ggagcatcat 120
98 catctcctta tgaattggaa caaacctatt gatctcatta cagaagaaaa ctcttttaac 180
100 cacaatcctc atttcatagt agatccacct tccgaaaccc taagccactt ccagcccccg 240
102 ccgacaatct tctccggtca ccgaggagga gaggaagcag cagaagaaga agaagaagaa 300
104 ggagaggaag agatggatcc gatgaagaag atgcaatacg cgattgctgc catgcagccc 360
106 gtagacctcg atccagccac cgttcctaag ccgaaccgcc gtaacgtaag ggtaagcgac 420
108 gaccctcaga cgggtgggtggc tcgtcggcgt agagaaagga taagcgagaa gatccggata 480
110 ttgaggagga tgggtgccagg cgggtgcaaag atggacactg cctccatgct cgacgaagcc 540
112 atccgctaca ccaagttctt gaaacggcag gtgaggctag cttcttcagc ctcacactca 600
114 gcttgagct cctatgtctg acccttcttg ctttgttat tatcataact cgcagccctg 660

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117 <210> SEQ ID NO: 4

118 <211> LENGTH: 20

119 <212> TYPE: DNA

120 <213> ORGANISM: Artificial

122 <220> FEATURE:

123 <223> OTHER INFORMATION: common nucleotide sequence of oligonucleotides CO109/CO111

125 <400> SEQUENCE: 4

126 aggtctatgc gtctctagtc 20

129 <210> SEQ ID NO: 5

130 <211> LENGTH: 20

131 <212> TYPE: DNA

132 <213> ORGANISM: artificial

134 <220> FEATURE:

135 <223> OTHER INFORMATION: common nucleotide sequence of oligonucleotides CO110/CO112

137 <400> SEQUENCE: 5

138 tcttcttctg ctgcttctc 20

141 <210> SEQ ID NO: 6

142 <211> LENGTH: 20

143 <212> TYPE: DNA

144 <213> ORGANISM: Artificial

146 <220> FEATURE:

147 <223> OTHER INFORMATION: common nucleotide sequence of oligonucleotides CO113/CO114

149 <400> SEQUENCE: 6

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150 cctctccttc ttcgtcttct                20
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial
158 <220> FEATURE:
159 <223> OTHER INFORMATION: common nucleotide sequence of oligonucleotides CO115/CO117
161 <400> SEQUENCE: 7
162 aggagtgtgc gactcttgtg                20
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 19
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial
170 <220> FEATURE:
171 <223> OTHER INFORMATION: common nucleotide sequence of oligonucleotides CO116/CO118
173 <400> SEQUENCE: 8
174 tcttcgtctt cgtccaagt                19
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 895
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial
182 <220> FEATURE:
183 <223> OTHER INFORMATION: nucleotide sequence of the SHATTERPROOF 1 gene of A.
thaliana (AT
184     -SHP1
186 <400> SEQUENCE: 9
187 ggatcaatgg aggaaggtgg gagtagtcac gacgcagaga gtagcaagaa actagggaga        60
189 gggaaaatag agataaagag gatagagaac acaacaaatc gtcaagttac tttctgcaaa        120
191 cgacgcaatg gtcttctcaa gaaagcttat gaactctctg tcttgtgtga tgccgaagtt        180
193 gccctcgtca tcttctccac tcgtggccgt ctctatgagt acgccaacaa cagtgtgagg        240
195 ggtacaattg aaaggtacaa gaaagcttgt tccgatgccg tcaacctcc ttcgcgcacc        300
197 gaagctaata ctacgtacta tcagcaagaa gcctctaagc ttcggaggca gattcgagat        360
199 attcagaatt caaataggca tattgttggg gaatcacttg gttccttgaa cttcaaggaa        420
201 ctcaaaaacc tagaaggacg tcttgaaaaa ggaatcagcc gtgtccgctc caaaaagaat        480
203 gagctgttag tggcagagat agagtatatg cagaagaggg aaatggagtt gcaacacaat        540
205 aacatgtacc tgcgagcaaa gatagccgaa ggcgccagat tgaatccgga ccagcaggaa        600
207 tcgagtgtga tacaaggacg gacagtttac gaatccggtg tatcttctca tgaccagtcg        660
209 cagcattata atcggaacta tattccggtg aaccttcttg aaccgaatca gcaattctcc        720
211 ggccaagacc aacctctctt tcaacttgtg taactcaaaa catgataact tgtttcttcc        780
213 cctcataacg attaagagag agacgagaga gttcatttta tattataaac gcgactgtgt        840
215 attcatagtt taggttctaa taatgataat aacaaaactg ttgtttcttt gcttc        895
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219 <211> LENGTH: 963
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: nucleotide sequence of the SHATTERPROOF 2 gene of A.
thaliana (AT
225     -SHP2
227 <400> SEQUENCE: 10
228 gaattcatct tcccatctc acttctcttt ctttctgatc ataattaatc ttgctaagcc        60

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230 agctagggct tatagaaatg gaggggtggtg cgagtaatga agtagcagag agcagcaaga      120
232 agatagggag agggaagata gagataaaga ggatagagaa cactacgaat cgtcaagtca      180
234 ctttctgcaa acgacgcaat ggtttactca agaaagctta tgagctctct gtcttgtgtg      240
236 acgctgaggt tgctctgttc atcttctcca ctcgaggccg tctctacgag tacgccaaca      300
238 acagtgtgag aggaacaata gaaaggtaca agaaagcttg ctccgacgcc gttaaccctc      360
240 cgaccatcac cgaagctaact actcagtact atcagcaaga ggcgtctaaa ctccggagac      420
242 agattcgggg cattcagaat ttgaacagac acattcttgg tgaatctctt ggttccttga      480
244 actttaagga actcaagaac cttgaaagta ggcttgagaa aggaatcagt cgtgtccgat      540
246 ccaagaagca cgagatgtta gttgcagaga ttgaatacat gcaaaaaagg gaaatcgagc      600
248 tgcaaaacga taacatgtat ctccgctcca agattactga aagaacaggt ctacagcaac      660
250 aagaatcgag tgtgatacat caagggacag ttacgagtc ggggtgttact tcttctcacc      720
252 agtcggggca gtataaccgg aattatattg cggttaacct tcttgaaccg aatcagaatt      780
254 cctccaacca agaccaacca cctctgcaac ttgtttgatt cagtctaaca taagcttctt      840
256 tcctcagcct gagatcgatc tatagtgtca cctaaatgcg gccgcgtccc tcaacatcta      900
258 gtcgcaagct gaggggaacc actagtgtca tacgaacctc caagagacgg ttacacaaac      960
260 ggg
263 <210> SEQ ID NO: 11
264 <211> LENGTH: 931
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: nucleotide sequence of the ALCATRAZ gene of A. thaliana (AT-
ALC)
272 <400> SEQUENCE: 11
273 agagagagag agagagagag agatgggtga ttctgacgtc ggtgatcgtc ttccccctcc      60
275 atcttcttcc gacgaactct cgagctttct ccgacagatt ctttcccgta ctctacagc      120
277 tcaaccttct tcaccaccga agagtactaa tgtttctctc gctgagacct tcttcccttc      180
279 cgtttccggc ggagctgttt cttccgtcgg ttatggagtc tctgaaactg gccaaagacaa      240
281 atatgctttc gaacacaaga gaagtggagc taaacagaga aattcgttga agagaaacat      300
283 tgatgctcaa ttccacaact tgtctgaaaa gaagaggagg agcaagatca acgagaaaat      360
285 gaaagctttg cagaaactca ttcccaattc caacaagact gataaagcct caatgcttga      420
287 tgaagctata gaatatctga agcagcttca acttcaagtc cagactttag ccggttatgaa      480
289 tggtttaggc ttaaacccta tgcgattacc acaggttcca cctccaactc atacaaggat      540
291 caatgagacc ttagagcaag acctgaacct agagactctt ctcgctgctc ctactcgct      600
293 ggaaccagct aaaacaagtc aaggaatgtg cttttccaca gccactctgc tttgaagata      660
295 acattcagac aatgatgatg atcggaattc ctctagtacc tgccagacag gagtgaacaa      720
297 tgttttgagt tttagcattg gccagatttc tatgttcagt tatagttatg ctaataagct      780
299 ttaggagtga acaaaatctg agtagtttga ttataatgat gtctgaagca gattatatat      840
301 aaaagactaa ttacttaca tatgagatga ttattacaac tatcaaatga ctatgtctgt      900
303 gagttgcatc caaaaaaaaa aaaaaaaaaa a

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/561,793

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Input Set : A:\Sequence Listing.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/561,793

DATE: 01/03/2006

TIME: 11:09:31

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01032006\J561793.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date